

Amendments to the claims:

Claims 1 – 19 and 22 have been canceled. Claim 20 has been amended. Claims 23-24 are new. Claims 20-21 and 23-24 are pending.

Listing of the claims:

1. (Cancelled).
2. (Cancelled).
3. (Cancelled).
4. (Cancelled).
5. (Cancelled).
6. (Cancelled).
7. (Cancelled).
8. (Cancelled).
9. (Cancelled).
10. (Cancelled).
11. (Cancelled).
12. (Cancelled).
13. (Cancelled).
14. (Cancelled).

15. (Cancelled).
16. (Cancelled).
17. (Cancelled).
18. (Cancelled).
19. (Cancelled).
20. (Currently amended) A method for retrofitting diesel engines to reduce ~~reducing~~ emissions from model year 1991-2003 ~~existing~~ on-highway diesel engines ~~certified under~~ ~~emissions regulations in place between 1991 and 2003~~ and rated to produce between 150 and 600 horsepower, the method comprising
 - (a) installing a blow-by filter in gas-flow communication with the engine blow-by gases from the blow-by vent structure and in further gas-flow communication with the engine air intake structure; and
 - (b) installing a catalytic converter in gas-flow communication with the exhaust gases from the engine exhaust port structure;

where the combined reduction of the blow-by gas emissions and the exhaust gas emissions satisfies the minimum reductions in emissions required by government regulations governing retrofits of model year 1991-2003 on-highway diesel engines rated to produce from 150-600 horsepower.
21. (Previously presented) A method according to claim 20 wherein:

- (a) said step of installing a blow-by filter includes installing a blow-by filter including:
 - (i) a first end cap and a second end cap; the first end cap including a central gas stream inlet aperture;
 - (ii) a second stage filter comprising a tubular construction of pleated media extending between the first end cap and the second end cap; the tubular construction of media defining an open tubular interior; the central gas stream inlet aperture of the first end cap being in flow communication with the open tubular interior;
 - (iii) a first stage coalescer filter oriented in extension across the gas stream inlet aperture;
 - (iv) the pleated media of the second stage filter, the first end cap, the second end cap, and the first stage coalescer filter being unitary in construction;
 - (v) the first stage coalescer filter including a nonwoven fibrous bundle having a first upstream surface area; the second stage filter including pleated media having a second upstream surface area; and
 - (vi) the first upstream surface area being no more than 10% of the second upstream surface area.

22. (Cancelled).

23. (New) A method for certifying compliance with governmental regulations for an emissions reduction retrofit of model year 1991-2003 on-highway diesel engines rated to produce from 150-600 horsepower, the method comprising:

- (i) measuring the untreated crankcase by-blow emissions of a model year 1991-2003 on-highway diesel engine rated to produce from 150-600 horsepower;
- (ii) measuring the untreated exhaust emissions of the diesel engine;
- (iii) installing a blow-by filter in gas-flow communication with the engine blow-by gases from the engine blow-by vent structure and in further gas-flow communication with the engine air intake structure;
- (iv) installing a catalytic converter in gas-flow communication with the engine exhaust gases from the exhaust port structure;
- (v) measuring the treated exhaust gas emissions of the diesel engine; and

- (vi) determining that the treated exhaust gas emissions are reduced relative to the combination of the untreated blow-by gas emissions and the untreated exhaust gas emissions by an amount that satisfies the minimum reduction in emissions required by government regulations for retrofits of model year 1991-2003 on-highway diesel engines rated to produce 150-600 horsepower.

24. (New) The method of claim 23, wherein the step of determining that the reduction in emissions satisfies government regulations comprises determining that the combined reduction in blow-by and exhaust gas emissions is sufficient to satisfy California Air Resources Board regulations requiring at least a 25 percent reduction of emissions.